

KUL'BATSKIY, A.P.

KUL'BATSKIY, A.P.; FEDOROV, S.D., retsenzent.

[Work practice of progressive steel workers in the open-hearth shop  
of the Chelyabinsk Steel Plant] Opyt raboty perevodovykh stalevarov  
martenovskogo tsenka Cheliabinskogo metallurgicheskogo zavoda.  
Sverdlovsk, Gos. nauchno-tekh. izd-vo lit-ry po chernoi i tsvetnoi  
metallurgii, 1953. 41 p. (MLRA 7:5)  
(Open-hearth process)

KUL'BATSKIY, A.P.

## PHASE I BOOK EXPLOITATION

257

Kolosov, Mikhail Ivanovich, and Kul'batskiy, Aleksey Pavlovich.

Razlivka stali (Steel Pouring) Moscow, Metallurgizdat, 1957. 211 p.  
4,800 copies printed.

Ed.: Smolyarenko, D. A.; Ed. of Publishing House: Zinger, S. L.

PURPOSE: This book is written to make known the work methods of leading Soviet steel plants, especially those producing high-grade steel. The book is intended primarily for engineers and technicians at steel plants, but can also be used by laboratory personnel at plants and institutes and by students of steel-production methods.

COVERAGE: The authors discuss the following topics: demands made upon refractory materials and conditions to which they are exposed; preparing equipment for pouring steel; pouring methods; crystallization of killed and rimmed steel; ingot defects and means of dealing with them. Chapters I, II, III, and VII were written by Kul'batskiy, A.P.; Chapters IV, V, VI, and VIII, by Kolosov, M. I. The authors express

Card 1/5

## Steel Pouring (Cont.)

257

their thanks for help in compiling the volume to Vaynshteyn, O.Ya.; Ayzenshtok, I.Ya.; Keys, N.V.; Ipatov, N.K.; Stroganov, A.I.; Morozov, A.N., Professor, Doctor of Technical Sciences; Lubenets, I.A., Chief Engineer, Chelyabinsk Metallurgical Plant; Smolyarenko, D. A., Scientific Editor; and the steel melters of the Chelyabinsk Metallurgical Plant. There are 88 references, of which 83 are Soviet, 4 English, and 1 German.

## TABLE OF CONTENTS:

Preface	5
Ch. I. Refractory Materials Used in Pouring Steel	7
1. Properties	8
2. Classification	17
3. Storage	19
Ch. II. Equipment for Pouring Steel	23
1. Pouring spouts	23

Card 2/5

Steel Pouring (Cont.)	257
2. Pouring ladles	25
3. Stoppers	41
4. Intermediate pouring ladles	47
5. Ingot molds	50
6. Sinkheads (hot tops)	62
7. Mold stools	65
8. Fountains	67
Ch. III. Preparation of Mold Assemblies and Pits	69
1. Preparation and choice of mold stools	69
2. Preparation and installation of fountains	71
3. Preparation and mounting of molds for bottom pouring	74
4. Preparation and mounting of sinkheads	81
5. Assemblies for top pouring	83
Ch. IV. Pouring Methods	85
1. Choice of method and pouring conditions	85
2. The bottom-pour method	89
3. The top-pour method	116

Card 3/5

Steel Pouring (Cont.)	257
Ch. V. Processes of Crystallization of Killed and Rimmed Steel	123
1. Killed-steel crystallization and ingot structure	125
2. Speed of ingot solidification	134
3. Rimmed-steel crystallization and ingot structure	139
Ch. VI. Killed-ingot Defects and Means of Dealing With Them	144
1. Shrinkage cavities	144
2. Nonuniformity of chemical composition	167
3. Defects associated with gas evolution in ingot crystallization	172
4. Nonmetallic inclusions	177
5. Defective skin formation and white spots	182
6. Effect of ingot size on the formation of defects in the steel	185
Ch. VII. Ingot Quality Control	189

Card 4/5

Steel Pouring (Cont.)	257
Ch. VIII. Continuous Casting of Steel	194
Appendices	203
Bibliography	210

AVAILABLE: Library of Congress

Card 5/5

WB/vm  
May 21, 1958

25(5)

PHASE I BOOK EXPLOITATION

SOV/1805

Kul'batskiy, Aleksey Pavlovich

Skorostnyye remonty elektrostaleplavil'nykh pechey (Rapid Repair of Electric Steel-melting Furnaces) Sverdlovsk, Metallurgizdat, 1958. 76 p. Errata slip inserted, 2,500 copies printed.

Ed.: A. B. Dokshitskiy; Ed. of Publishing House: Yu. V. Luchko;  
Tech. Ed.: Ye. M. Zef.

PURPOSE: This booklet is intended for technicians engaged in the operation and maintenance of electric furnaces. It may also be of value to skilled foundry men in electric furnace shops, and to students of metallurgical vuzeb.

COVERAGE: The book contains general information about the design, construction and operation of electric furnaces, and some specific instructions for conducting overhaul operations in the most efficient and progressive manner. These methods were devised and

Card 1/3

Rapid Repair of Electric Steel-melting Furnaces

SOV/1805

tested at the Chel'yabinsk metallurgical plant, but experience gained in other plants was also drawn upon to present a comprehensive plan and organizational setup for repairing the lining and brickwork in electric furnaces. Instructions are given for the maintenance of the lining, and some methods are suggested for prolonging the service life of linings. The elements of safety regulations are also presented. The book contains a number of illustrations and diagrams. The author thanks Engineers K. A. Mikhaylov, O. A. Labunovich, and A. B. Dokshitskiy. There are 8 Soviet references.

Introduction	3
Ch. I. General Information About the Operation of Electric Furnaces	5
1. Design of a 40-ton electric furnace	5
2. Thermal and electric characteristics of furnaces	8
3. Physical requirements of refractories used for lining and repair of electric furnaces	10

Card 2/3

Rapid Repair of Electric Steel-melting Furnaces	SOV/1205
Ch. II. Planning, Organizing, and Carrying Out Electric Furnace Overhaul	
1. Plan for major overhaul of an electric furnace	25
2. Major overhaul of an electric furnace	25
3. Repair of the cold furnace	26
4. Repair of the hot furnace	49
	53
Ch. III. Maintenance of the Lining of Electric Furnaces and Measures for Increasing Its Service Life	56
Ch. IV. Safety Engineering in Overhaul of Electric Furnaces	64
Appendixes	68
Bibliography	76

AVAILABLE: Library of Congress

Card 3/3

GO/dfh  
7-1-59

KUL'BATSKIY, Aleksey Pavlovich; BRANDT, V.A., retsenzent; KHUDYAKOV, N.A.,  
red.; CHAPAYKINA, F.K., red. izd-va; TURKINA, Ye.D., tekhn. red.

[Design and operation of a mixer] Konstruktsiia i rabota miksera.  
Sverdlovsk, Gos.nauchno-tekhnik.izd-vo lit-ry po chernoi i tsvetnoi  
metallurgii, 1961. 100 p. (MIRA 14:12)  
(Metallurgical plants—Equipment and supplies)

KUL'BATSKIY, I.

More about calculating interest on deposits. Fin. SSSR 19 no. 7:67-68  
Jl '58.  
(MIRA 11:8)

1. Nachal'nik operativnogo otdela upravleniya sberkass Stalinskoy  
oblasti.  
(Staling Province--Savings banks)

KUL'BATSKIY, I.

Don't reorganize for the sake of reorganizing. Fin.SSSR 20  
no.9:71-72 S '59. (MIRA 12:12)

1. Nachal'nik operativnogo otdela upravleniya sberkass Stalinskoy  
oblasti.  
(Stalino Province--Savings banks)

KUL'BATSKIY, I.S., inzh. mostoispytatel'noy stantsii (Ordzhonikidze)

Stairs with reinforced concrete treads. Put: i put. khoz.  
7 no. 5:29 '63. (MIRA 16:7)

(Railroad bridges)

KUL'BAISKII, K. Ye. Cand. Tech. Sci.

"The Invention of ~~the~~ Soviet Rebroadcasting," Vest. svyazi-elektrsovyyaz', No.2, 1948

KUL'BATSKIY, K. YE.

PA 38/49T10

USSR/Communications  
Relays, Telephone  
Telephone - Circuits

Aug 48

"Soviet Telephone Transmission," K. Ye. Kul'bat-skiy, Cand Tech Sci, 2 pp

"Nauka i Zhizn'" No 8

Schematic diagrams and explanations of three electronic circuits for telephone relay stations. Patented in 1919 by V. I. Kovalenkov, Corr Mem, Acad Sci USSR, circuits are supposedly first of their kind in the world. Longest audio-frequency telephone line in Europe is between Moscow and Stalinsk, covering 4,200 km with eight relay stations.

38/49T10

DOBROVOL'SKIY, G.V., KUL'BATSKIY, K.Ye., redaktor; MASHAROVA, V.G.  
redaktor; ALEKSEYEVA, T.V., tekhnicheskiy redaktor.

[Telecommunication systems] Sistemy dal'nei sviazi. Izd. 2-e.  
perer. i dop. Moskva, Izd-vo Akademii nauk SSSR, 1955. 285 p.  
(Telecommunication) (MLRA 8:11)

GARNOVSKIY, Nikolay Nikolayevich; KUL'BITSKIY, K.Ye., doktor tekhn.nauk,  
otv.red.; LUZHETSKIY, N.M., "red." VEYNTRAUB, A.B., tekhn.red.

[Theoretical fundamentals of wire communications] Teoreticheskie  
osnovy elektroprovodnoi sviazi. Moskva, Gos.izd-vo lit-ry po  
voprosam aviazi i radio. Pt.2. [Theory of circuits with distributed  
constants] Teoriia tsepei s raspredelennymi postoiannymi. 1959.  
(MIRA 13:1)

386 P.

(Electronic circuits)

LISTOV, V.N.; KUL'BATSKIY, K.Ye., doktor tekhn.nauk, prof.,  
retsenzent; NOVIKAS, M.N., inzh., red.; VOROTNIKOVA,  
L.F., tekhn. red.

[Elementary theory of the synthesis of filters] Elementarnaya  
teoriya sinteza fil'trov. Moskva, Transzheldorizdat,  
(MIRA 16:7)  
1963. 169 p.  
(Electric filters) (Radio filters)

CHANTSOV, S.D., dots.; KUL'BATSKIY, K.Ye., otv. red.; REKIS, L.Ye.,  
red.

[A manual on a senior-year course in "Telegraph communication"]  
Uchebnoe posobie po preddiplomnomu kursu "Telegrafnaia sviaz'."  
Moskva, Red.-izd. otdel VZEIS. Sec.1. 1963. 42 p.  
(MIRA 17:9)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927330003-4

AL'MUKHANBETOV, D., kand.geologo-minerologicheskikh nauk; UMYSHEV, R.;  
KUL'BAYEV, N.

Interpretation of electric prospecting materials in the  
Dzhezkazgan District. Vest. AN Kazakh. SSR 18 no.6:49-53  
Je '62. (MIRA 15:9)  
(Dzhezkazgan District—Electric prospecting)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927330003-4"

NARIZHNAYA, V.Ye.; KUL'BAYEVA, A.G.

Regularities in the change of the composition of the natural  
gases of the Dzharkak oil field of western Uzbekistan. Neftegaz.  
geol. i geofiz. no.8:17-23 '64. (MIRA 17:9)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo  
geologorazvedochnogo neftyanogo instituta.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927330003-4

MARIZHNAYA, V.Ye.; KUL'BAYEVA, A.G.

Comparative characteristics of natural gases in the different fields of Central Asia (western Uzbekistan, Tajikistan, and south of Kirghizia). Trudy VNIGRI no.227 Geokhim.sbor. no.9:161-173 1954. (MIRA 18:1)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927330003-4"

IVANCHIKOVA, E.I.; KOLESNIKOVA, M.T.; KONOBRITSKAYA, Ye.M.; KUIRYASHOVA,  
M.M.; KUL'BAIEVA, Sh.N.; MHDVSEDEVA, S.G.. Prinimali uchastiye:  
ABDULLINA, M.N.; KLIMENKO, K.M.; OVSYANKINA, V.I.; SOKOLOV, M.V.;  
URAZOVA, M.I.; VOROB'YEVA, G.P.. AKHMEDOVA, N.B., otv.red.;  
NOVOKHATSKIY, I.P., red.; SHEVCHUK, T.I., red.; ATTAKHAMBETOVA,  
S.; ROROKINA, Z.P., tekhn.red.

[The Karaganda Economic Administrative Region; bibliography]  
Karagandinskii ekonomicheskii administrativnyi raion; bibli-  
ograficheskii ukazatel' literatury. Alma-Ata, 1959. 458 p.  
(MIRA 13:2)

1. Akademiya nauk Kazakhskoy SSR. Alma-Ata. TSentral'naya  
nauchnaya biblioteka.  
(Bibliography--Karaganda Economic Region)  
(Karaganda Economic Region--Bibliography)

S/0056/64/046/001/0106/0109

ACCESSION NR: AP4012529

AUTHOR: Kul'beda, V. Ye.

TITLE: Temperature dependence of the Overhauser effect in dilute manganese solutions in weak magnetic fields

SOURCE: Zhurnal eksper. i teoret. fiz., v. 46, no. 1, 1964, 106-109

TOPIC TAGS: Overhauser effect, Overhauser effect temperature dependence, manganese chloride, manganese chloride solution, dilute manganese chloride solution, dipole dipole interaction, exchange interaction, steady magnetic field cancellation, magnetic field cancellation temperature, proton magnetic relaxation, paramagnetic ion

ABSTRACT: To check on the relative contributions made by dipole-dipole interaction and by exchange interaction to the relaxation of the proton magnetic moments, with an aim at devising a new method for measuring the constants involved in relaxation theory, the tem-

Card 1/4

ACCESSION NR: AP4012529

perature dependence of the Overhauser effect was measured in aqueous solutions of  $MnCl_2$  (0.001--0.015 M concentration). The tests have shown that dipole-dipole relaxation predominates up to about  $60^\circ C$  in a steady field of about 70 Oe, above which the exchange interaction prevails. At  $60 \pm 0.3^\circ C$  the two mechanisms cancel each other and the Overhauser effect disappears. The dependence of the cancellation temperature on the magnetic field intensity is calculated. "In conclusion, the author thanks S. M. Rubchinskiy and M. P. Zel'dovich for helpful advice and discussions of the results. Orig. art. has: 3 figures and 7 formulas.

ASSOCIATION: None

SUBMITTED: 15Jul63 DATE ACQ: 26Feb64 ENCL: 02

SUB CODE: PH NO REF SOV: 002 OTHER: 006

Card 2/42

KULBELKA, V.

Elimination the odor in sulfate cellulose mills. p. 102.  
(PAPIR A CELULOSA Vol. 10, no.5, May 1955, Praha)

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4,  
No. 11, Nov. 1955, Uncl.

KUL'BERG, A.Ya.; SYRKIN, A.B.; SHARGORODSKAYA, D.Ya.

Influence of a tourniquet on the amount of phosphorus and chlorides  
in the blood. Uch.zap. 2-go MGMI 17:215-218 '58.  
(MIRA 13:7)

(BLOOD--CIRCULATION, DISORDERS OF)  
(PHOSPHORUS IN THE BODY)  
(CHLORIDES IN THE BODY)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927330003-4

KYL'BERG, A. Ya.: Master Med Sci (diss) -- "The immunological and physicochemical changes in immune-sera subjected to reduction with cysteine in an acid medium". Moscow, 1959. 11 pp (Acad Med Sci USSR, Inst of Epidemiology and Microbiology im N. F. Gamaleya), 200 copies (KL, No 12, 1959, 132)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927330003-4"

EXCERPTA MEDICA Sec 2 Vol 12/11 Physiology Nov 59

5202. ELECTROPHORETIC ANALYSIS OF CYSTEINE TREATED BLOOD SERA  
(Russian text) - Kulberg A. Ya., Inst. of Epidemiol. and Microbiol.,  
Acad. of Med. Scis of the USSR, Moscow - BIOKHIKIYA 1959, 24/1 (46-52)  
Graphs 9 Tables 2

Reduction of blood serum by cysteine in an acid medium results in the appearance of a new electrophoretic component with a mobility intermediate between that of albumin and  $\gamma$ -globulin, along with an appreciable drop of the albumin and  $\gamma$ -globulin peaks. The appearance of the new component is also elicited by cysteine treatment of a mixture of isolated albumin and  $\gamma$ -globulin but not by the reduction of

5202

$\gamma$ -globulin alone. Partial breakdown of the new component is accompanied by an appreciable rise of the peaks of albumin and  $\gamma$ -globulin. The new component might therefore be regarded as an albumin-globulin complex. Iodoacetate experiments showed that the formation of the above complex is accomplished at the expense of SH-groups released upon reduction of proteins.

KUL'BERG, A.Ya.

Some serological properties of immune sera reduced with cysteine.  
Zhur.mikrobiol.epid.i immun. 30 no.7:100-104 J1 '59. (MIRA 12:11)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.  
(IMMUNE SERUMS - pharmacology)  
(CYSTEINE - pharmacology)

KULBERG, A.J.

Study of changes in immune sera reduced by cysteine. 1. Effect of cysteine on precipitation type of antiserum. J.hyg.epidem., Praha 4 no.3:363-373 '60.

A. Gamaley Institute of Epidemiology and Microbiology, Academy of Medical Sciences of the USSR, Department of Biochemistry, Moscow.  
(IMMUNE SERUMS)  
(CYSTEINE pharmacol.)

KULBERG, A.J.

Study of changes in immune sera reduced by cysteine. 2. Effect of cysteine on flocculation type of antiserum. J.hyg.epidem., Praha 4 no.3:374-378 '60.

1. Gamalay Institute of Epidemiology and Microbiology, Academy of Medical Sciences of the USSR, Department of Biochemistry, Moscow.  
(IMMUNE SERUMS)  
(CYSTEINE Pharmacol.)

KUL'BERG, A.Ye.; TARKHANOVA, I.A.

Isolation of a specifically-active antibody center from an antiserum fermented by means of papain with the aid of an antigen fixed on cellulose. Biul. eksp. biol. i med. 50 no. 11:76-79 N '60.  
(MIRA 13:12)

1. Iz otdela biokhimii Instituta epidemiologii i mikrobiologii imeni N.F. Gamalei, Moskva.

(ANTIGENS AND ANTIBODIES)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927330003-4

KULBERG, A. Ya., TARKHANOVA, I. A., KIRAKOVA, N. I. (USSR)

"Immunochemical Examinations of Iapain-Treated Antibodies."

Report presented at the 5th International Biochemistry Congress,  
Moscow, 10-16 August 1961

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927330003-4"

KULBERG, A. Y.; TARKHANOVA, I. A.

Immunochemical study of papain-fermented antibodies. J. hyg. epidem.,  
Praha 5 no.4:444-453 '61.

1. Gamaleya Institute of Epidemiology and Microbiology, Moscow.

(ANTIBODIES)

KULBERG, A. F.; TARKHANOVA, Iness A; KHRAMKOVA, Ninel I.

The antigenic structure of rabbit  $\gamma'$ -globulin. *Folia biol.* 7 no.3:  
213-216 '61.

1. Gamaleya Institute of Epidemiology and Microbiology, Moscow.  
(GAMMA GLOBULIN)

KUL'BERG, A.Ya.; TARKHANOVA, I.A.

Splitting of immune  $\gamma$ -globulin with papain. Vop. med. khim. 7  
no. 5: 520-523 S-0 '61. (MIRA 14:10)

1. The Department of Biochemistry of the N.F.Gamayeva Institute  
of Epidemiology and Microbiology, Academy of Medical Sciences of the  
U.S.S.R.

(GAMMA GLOBULIN) (PAPAIN)

KUL'BERG, A.Ya.; TARKHANOVA, I.A.; BALAYEVA, N.M.

Immunological properties of antibacterial and antirickettsial  
rabbit serums treated with papain. Biul. eksp. biol. i med. 52  
no.12:66-69 D '61.  
(MIRA 14:12)

1. Iz Instituta epidemiologii i mikrobiologii imeni N.F.Gamalei  
(dir. - chlen-korrespondent AMN SSSR O.B.Baroyan), Moskva.  
Predstavlena deystvitel'nym chlenom AMN SSSR V.L.Troitskim.  
(PAPAIN) (ANTIGENS AND ANTIBODIES) (SERUM)

ZHDANOV, V.M.; AZADOVA, N.B.; KUL'BERG, A.Ya.

Labelling antibodies with a mercury organic compound. Vop.virus 7  
no.4:110-111 Jl-Ag '62. (MIRA 15:8)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.  
(ANTIGENS AND ANTIBODIES) (MERCURY ORGANIC COMPOUNDS)

TARKHANOVA, I.A.; KUL'BERG, A.Ya.

Role of tryptophan in the formation of active antibody centers.  
Vop. med. khim. 8 no.2:163-169 Mr-Ap '62. (MIRA 15:4)

1. Department of Biochemistry, Academician N.F.Gamaleya Institute  
of Epidemiology and Microbiology, Academy of Medical Sciences of  
the U.S.S.R., Moscow.

(TRIPTOPHAN) (ANTIGENS AND ANTIBODIES)

KULBERG, A. Y.; TARKHANOVA, Iness A.

Isolation of a low molecular weight antibody fraction containing the  
antideterminant. Folia biol. 8 no. 3:147-151 '62.

1. Gamaleya Institute of Epidemiology and Microbiology, Moscow.

(ANTIBODIES)

BLAGOVESHCHENSKIY, V.A.; KUL'BERG, A.Ya.; BULATOVA, T.I.; KORN, M.Ya.

Production of a specific fluorescent anthrax serum. Zhur.mikrobiol.,  
epid. i immun. 33 no.3:18-23 Mr '62. (MIRA 15:4)

1. Iz.Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.  
(ANTHRAX) (SERUM) (ANTIGENS AND ANTIBODIES)

TARKHANOVA, I.A.; KUL'BERG, A.Ya.

Study of the serological activity of papain-degraded antibodies  
in the complement fixation reaction. Biul. eksp. biol. i med.  
54 no.8:65-69 Ag '62. (MIRA 17:11)

1. Iz otdela biokhimii Instituta epidemiologii i mikrobiologii  
imeni Gamalei AMN SSSR, Moskva. Predstavlena deystvitel'nym  
chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym.

KUL'BERG, A.Ya.; BARTOVA, L.M.

Isolation of low-molecular antibody fragments from the urine  
of immunized rabbits. Vop. med. khim. 9 no.5:514-518 S-0 '63.  
(MIRA 17:1)

1. Otdel biokhimii Instituta epidemiologii i mikrobiologii  
imeni N.F. Gamalei AMN SSSR, Moskva.

KULBERG, A.Ya.

"Study of the submolecular structure of antibodies in connection  
with the heterogeneity of immune gamma globulin."

Report to be submitted for the 2nd Symposium on the Molecular  
and Cellular Basis of Antibody Formation, Prague, Czechoslovakia,  
1-5 Jun 64.

BALAYEVA, N.M.; KORN, M.Ia; KOL'BERG, A.Ya.

Detection of antibodies to Rickettsia prowazekii by the  
luminescent-serological method. Zhur. mikrobiol., epid.  
i immun. 40 no.1:52-57'63. (MIRA 16:10)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei  
AMN SSSR.

KUL'BERG, A.Ya.; AZADOVA, N.B.

Specific contrast in electron microscopy with the aid of  
mercury-labeled antibodies. Vop. virus. 8 no.1:100-102  
(MIRA 16:6)  
Ja-F'63.

1. Institut epidemiologii i mikrobiologii imeni N.F.Gamalei  
AMN SSSR, Institut virusologii imeni D.I.Ivanovskogo AMN  
SSSR, Moskva.  
(ELECTRON MICROSCOPY) (ANTIGENS AND ANTIBODIES)  
(MERCURY-ISOTOPES)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927330003-4

STREANI, D.V., KUDRIAVTSEVA, E.P.

Immunochemical analysis of the products of the papain proteolysis  
of diphtheria horse antitoxic gamma globulin. Vop. med. khim. 30  
no.3a279-283 May-Je '64. (MIKA 1312)

I. Institut epidemiologii i mikrobiologii imeni Gamalei AMN SSSR,  
Moskva.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927330003-4"

ZHDANOV, V.M.; AZADOVA, N.B.; KUL'BERG, A.Ya.

Synthesis and transport of the protein components of Sendai virus.  
TSitologija 7 no.2:250-253 Mr-Ap '65. (MIRA 18:7)

1. Laboratoriya fiziologii virusov Instituta virusologii AMN SSSR  
i Otdel immunologii i onkologii Instituta epidemiologii i mikrobiologii AMN SSSR, Moskva.

KUL'BA, F.Ya.; YAKOVLEV, Yu.B.; MIRONOV, V.Ye.

Potentiometric study of nitrate and acetate complexes of thallium  
(III). Zhur. neorg. khim. 10 no.7:1624-1631 Jl '65.  
(MIRA 18;8)

1. Kafedra obshchey khimii Leningradskogo tekhnologicheskogo  
instituta imeni Lensoveta.

ZHDANOV, V.M.; AZADOVA, N.B.; KUL'BERG, A.Ya.

Synthesis and transport of the protein components of Sendai virus.  
TSitologija 7 no.2:250-253 Mr-Ap '65. (MIRA 18:7)

1. Laboratoriya fiziologii virusov Instituta virusologii AMN SSSR  
i Otdel immunologii i onkologii Instituta epidemiologii i mikrobiologii AMN SSSR, Moskva.

KUL'EA, F.Ya.; YAKOVLEV, Yu.B.; MIRONOV, V.Ye.

Potentiometric study of nitrate and acetate complexes of thallium  
(III). Zhur. neorg. khim. 10 no.7:1624-1631 Jl '65.  
(MIRA 18:8)

1. Kafedra obshchey khimii Leningradskogo tekhnologicheskogo  
instituta imeni Lensoveta.

L 27275-66 EWT(1)/T JK

ACC NR: AP6016877

SOURCE CODE: UR/0301/65/011/003/0012/0017

AUTHOR: Bartova, L. M.; Kul'berg, A. Ya.; Volgin, Yu. B.; Tarakhanova, I. A. 26  
BORG: Institute of Epidemiology and Microbiology im. N. F. Gamaleya, AMN SSSR,  
Moscow (Institut epidemiologii i mikrobiologii AMN SSSR)TITLE: Antitoxic properties of low-molecular antibodies isolated from the urine of  
immune rabbits

SOURCE: Voprosy meditsinskoy khimii, v. 11, no. 3, 1965, 12-17

TOPIC TAGS: rabbit, antibody, antigen, gamma globulin, blood serum

ABSTRACT: The authors present findings indicating that low-molecular anti-  
bodies appear in the urine when rabbits are immunized with antigens of the  
most different nature. These antigens can be detected not only by reactions  
in vitro but also, in the case of low-molecular antibodies to the tetanus  
toxin, through their specific antitoxic effect and in experiments on animals.  
The rabbits used in the experiments were immunized with crude tetanus toxin,  
egg albumin, human serum albumin, and human gamma-globulin combined with  
dinitrofluorobenzene by the method described by Eisen et al. (J. Exp. Med.,  
Vol 110, p 187). The antibodies were isolated chiefly by means of complement  
fixation reactions. The low-molecular antibodies isolated from rabbits  
immunized with tetanus toxoid specifically neutralize tetanus toxin in experi-  
ments on animals. Detection of low-molecular antitoxin in the urine of the  
rabbits occurred when the concentration of antitoxic antigens in the blood serum  
reached 30-40 AE/cc. Orig. art. has: 1 figure and 2 tables. [JPRS]SUB CODE: 06 / SUEM DATE: 23Dec63 / OFIG REF: 002 / OTH REF: 009  
Card 1/1 CC UDC: 616.533-097-02:616.981.551-085.372

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927330003-4

STYFANI, D.V.; KUL'BERG, A.Ya.; SHAKHANINA, K.L.

Characteristics of the immunochemical structure of antitoxic  
 $\beta_{2,4}$ -globulin derived from horses. Vop. med. khim. II  
no.4;34-38 Jl-Ag '65. (MIFB 18:8)

I. N.F. Gamalei Institute of Epidemiology and Microbiology,  
Academy of Sciences of the U.S.S.R., Moscow.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927330003-4"

KUCHINSKAYA, N.Ye.; KUL'BERG, A.Ya.; TSVETKOV, V.S.

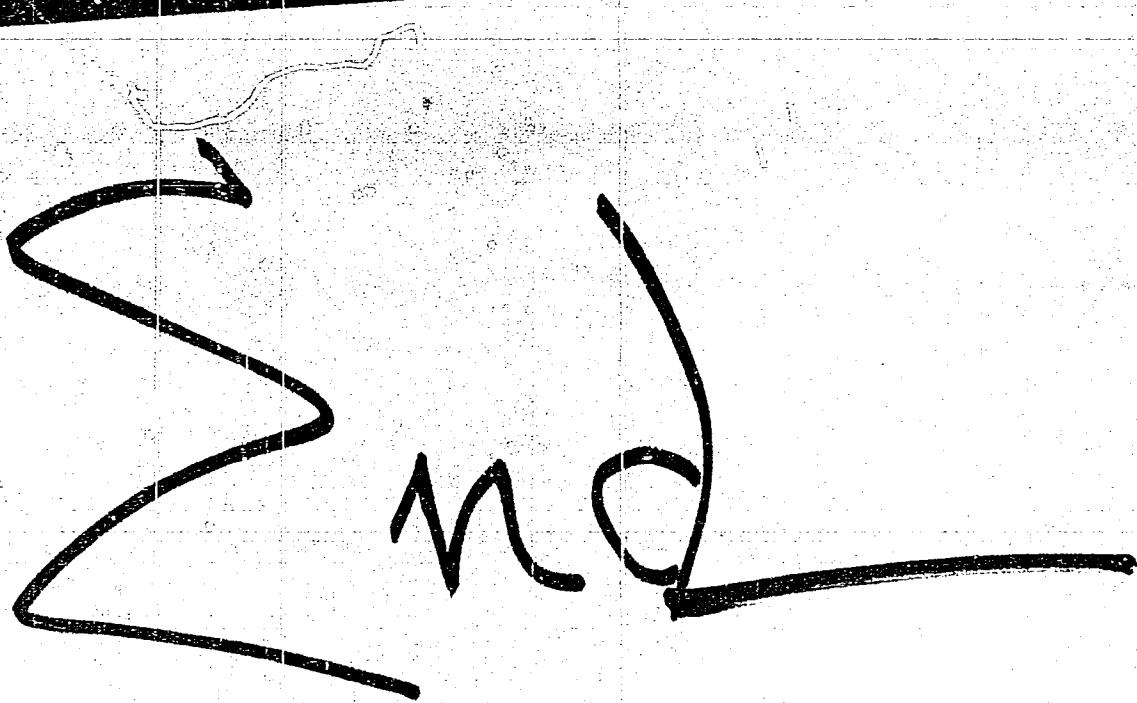
Immunochemical analysis of the products of the splitting of bovine  
 $\gamma$ -globulin with papain. Biokhimiia 30 no.5:1065-1070 3-0 '65.  
(MIRA 18:10)

1. Institut epidemiologii i mikrobiologii imeni N.F.Gamalei  
AMN SSSR, Moskva.

REEL # 273  
KURHAREVAM.  
to A.  
KULBERG, A.Ya.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927330003-4



APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927330003-4"